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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Amin et al Confirmation No.: 2156

Serial No.: 09/839,636 Group Art Unit: 2881

Filed: April 20, 2001 Examiner: Not Yet Assigned

For: QUANTUM BIT WITH A Attorney Docket No.: 11090-035-999

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LOOP WITH A PHASE SHIFT

## INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure provisions of 37 C.F.R. §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the application.

- 1. Enclosures accompanying this Information Disclosure Statement are:
  - 1a. 

    A list of all patents, publications, applications, or other information submitted for consideration by the office.
  - 1b. A legible copy of:
    - Each U.S. patent application publication and U.S. and foreign patent;
    - Each publication or that portion which caused it to be listed on the PTO-1449;
    - □ For each cited pending U.S. application, the application specification including the claims, and any drawing of the application, or portion of the application which caused it to be listed on the PTO-1449 including any claims directed to that portion;
    - all other information or portion which caused it to be listed on the PTO-1449.
  - 1c. 

    An English language copy of search report(s) from a counterpart foreign application or PCT International Search Report.
  - ld. 

    Explanations of relevancy (ATTACHMENT 1(d), hereto) or English language abstracts of the non-English language publications.
- 2. 

   This Information Disclosure Statement is filed under 37 C.F.R. §1.97(b):

- □ Within three months of the filing date of a national application other than a continued prosecution application under §1.53(d);
- □ Within three months of the date of entry of the national stage as set forth in §1.491 in an international application;
- Before the mailing of the first Office action on the merits;
- ☐ Before the mailing of a first Office action after the filing of a request for continued examination under §1.114.
- 3. This Information Disclosure Statement is filed under 37 C.F.R. §1.97(c) after the period specified in 37 C.F.R §1.97(b), but before the mailing date of any of a final action under 37 C.F.R. §1.113, a notice of allowance under 37 C.F.R. §1.311 or an action that otherwise closes prosecution in the application.

### (Check either Item 3a or 3b)

- 3a. 

  The Certification Statement in Item 5 below is applicable. Accordingly, no fee is required.
- 3b. The \$180.00 fee set forth in 37 C.F.R. \$1.17(p) in accordance with 37 C.F.R. \$1.97(c) is:
  - enclosed
  - □ to be charged to Pennie & Edmonds LLP Deposit Account No. 16-1150.

(Item 3b to be checked if any reference known for more than 3 months)

4. 

This Information Disclosure Statement is filed under 37 C.F.R. §1.97(d) after the period specified in 37 C.F.R. §1.97(c), but on or before the date of payment of the issue fee.

The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:

- □ enclosed.
- to be charged to Pennie & Edmonds LLP Deposit Account No. 16-1150.

The Certification Statement in Item 5 below is applicable.

5.  $\square$  Certification Statement (applicable if Item 3a or Item 4 is checked)

# (Check either Item 5a or 5b)

- 5a. 

  In accordance with 37 C.F.R. §1.97(e)(1), it is certified that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- 5b. 

  In accordance with 37 C.F.R. §1.97(e)(2), it is certified that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, was known by any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
- 6. This application is a continuation application under 37 C.F.R. §1.60 or §1.53(b) or (d).

			(Спеск арргорги	ite items oa, ob and/or oc)							
	6a.	. 🗅	A Petition to Withdraw from i herewith.	ssue under 37 C.F.R. §1.313(b)(5) is concurrently	filed						
	6b.	. 0		on Form PTO-1449 from prior application Serial Nolication claims priority under 35 U.S.C. §120, are 7 C.F.R. §1.98(d).							
	6c.			ed on Form PTO-1449 were not previously cited i iled on , and are provided herewith.	n						
7. 🏻		This is a Supplemental Information Disclosure Statement. (Check either Item 7a or 7b)									
	7a.		supplements the Information I was made to comply with 37 C These omissions have been co	n Disclosure Statement under 37 C.F.R. §1.97(f) Disclosure Statement filed on A bona fide atte C.F.R. §1.98, but inadvertent omissions were made rrected herein. Accordingly, additional time is sental Information Disclosure Statement can be on							
8.			ordance with 37 C.F.R. §1.98, a relevance of each non-English l	concise explanation of what is presently understo- anguage publication is:	od to						
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	8a.		English language copy of the I	ish language publications were cited on the enclose PCT International Search Report or the search repolication indicating the degree of relevance found	ort						
	8b.		set forth in the application.								
	8c.		enclosed as an attachment here	eto.							
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10.	⊠	No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than a search report of a foreign counterpart application or PCT International Search Report if submitted herewith). 37 C.F.R. §§1.97(g) and (h).									
				Respectfully submitted,							
Date	e: _	Marc	ch 6, 2003		1,066 No.)						
				Gary S. Williams (Reg PENNIE & EDMONDS ILP 3300 Hillview Avenue	. No.)						

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	INFORMATION DISCLOSURE				IRE	Application Number		09/839,636		
OF	S	(use as many sheets as necessary)					Filing Date First Named Inventor Art Unit Examiner Name		April 20, 2001	
\\(\sigma\)\\\	\$C100								Mohammad Amin	
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	Examiner Initials	Cite No. 1	Document Numb Number - Kind C		f known)	Publication Da MM-DD-YYY		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
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## **FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite	Foreign Patent Document	Publication Date	Name of Patentee of Relevant Passages of	Pages, Columns, Lines, Where Relevant Passages or Relevant				
	No. 1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Figures Appear				
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	Examiner Signature		Date Considered					

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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